

WHAT IS CLAIMED IS:

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1. An electrical hand-held tool for producing at least a percussion movement of a working tool, comprising an electrical drive; a first subassembly including a percussion mechanism (2) and a rotor (5) of the electrical drive and rotatable about a rotor axis (B) extending parallel to an oscillation path (I) of the first subassembly; and a second subassembly including a housing (6) in which the first subassembly is supported for a limited movement along a tool axis (A).

2. An electrical hand-held tool according to claim 1, wherein the first subassembly includes a transformation gear.

3. An electrical hand-held tool according to claim 1, wherein the second subassembly includes a stator (7) of the electrical drive.

4. An electrical hand-held tool according to claim 1, wherein the second subassembly includes control electronics (8) for the electrical drive.

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5. An electrical hand-held tool according to claim 1, wherein the rotor is formed as a collectorless rotor.

6. An electrical hand-held tool according to claim 1, wherein the first subassembly and the second subassembly have a substantially same mass.

Suba 7 7. An electrical hand-held tool according to claim 1, further comprising elastic spring means (9) for providing an oscillation neutralizing connection of the first subassembly with the second subassembly.

8. An electrical hand-held tool according to claim 7, further comprising a damping element (10) arranged parallel to the spring means (9).

9. An electrical hand-held tool according to claim 8, wherein the damping element is formed of a viscous elastic material.

10. An electrical hand-held tool according to claim 9, wherein the viscous elastic material has an optimal energy dissipation at an operation temperature and at an oscillation frequency of the hand-held tool.

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